

Title (en)
WHEEL BALANCING DEVICE

Title (de)
AUSWUCHTUNGSVORRICHTUNG FÜR RÄDER.

Title (fr)
Dispositif d'équilibrage pour roue

Publication
EP 2775281 A1 20140910 (EN)

Application
EP 13197723 A 20131217

Priority
IT MI20130343 A 20130307

Abstract (en)
A wheel balancing device (1), comprising a rotation shaft (3) on which a wheel (5) can be mounted and means (6) for fixing the wheel (5) to the rotation shaft (3) and further comprising: - a plate (11), which is adapted to be fixed rigidly to a tire removing device (13), - a tubular element (15), which is connected to the plate (11) and accommodates rotatably the rotation shaft (3), - sensor means (7, 9), which are fixed to the plate (11), are connected to the tubular element (15) and are adapted to measure the forces that constrain the tubular element (15) when the rotation shaft (3) and the wheel (5) are turning and to provide a measurement of the forces generated by the dynamic imbalance of the wheel (5).

IPC 8 full level
G01M 1/04 (2006.01); **G01M 17/013** (2006.01)

CPC (source: EP US)
G01M 1/02 (2013.01 - US); **G01M 1/045** (2013.01 - EP US); **G01M 17/013** (2013.01 - EP US)

Citation (search report)

- [X] EP 2141474 A1 20100106 - SNAP ON EQUIP SRL UNICO SOCIO [IT]
- [A] US 6779400 B1 20040824 - THELEN DIETER [DE], et al
- [A] EP 0058860 A1 19820901 - BUZZI CARLO
- [A] WO 2008095792 A2 20080814 - BUZZI CARLO [IT]

Cited by
EP3121578A1; EP3121577A1; CN106370348A; US9816899B2; US9829407B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2775281 A1 20140910; EP 2775281 B1 20180822; IT MI20130343 A1 20140908; US 2014251008 A1 20140911; US 9417157 B2 20160816

DOCDB simple family (application)
EP 13197723 A 20131217; IT MI20130343 A 20130307; US 201414169422 A 20140131